

MAR 21 1956

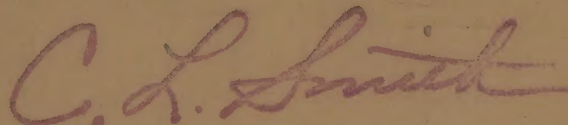
P. O. Box 3391
Orlando, Florida
March 19, 1956

To: A. W. Lindquist, Head, Insects Affecting Man and
Animals Section, Plant Industry Station,
Beltsville, Maryland

From: C. L. Smith

Subject: Tabulation of Material Relative to Screw-worm Release

Enclosed are four copies of a tabulation of material compiled by Mr. Skipper regarding the release of screw-worm flies. Two copies are for your file and two are for Dr. Knipling. On pages 18-20 of the tabulation are shown how the release numbers were determined. Based on this tabulation it may not be necessary for us to release as many flies as we had thought. Your comments on the tabulation would be appreciated.



Enc. 4
cc: R. C. Bushland

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Busblair

March 16, 1956

COUNTIES OF FLORIDA
AREA AND SCREW-WORM HOSTS

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
1. Alachua	892 sq. miles	Cattle	26,331
		Hogs	26,565
Class B		Sheep	507
		Horses	1,213
Host per sq. mile	67	Mules	648
Flies required per week		Goats	610
per sq. mile	146	Deer	35
		Bear	0
		(1) Furbearers (land)	<u>3,700</u>
		Total	59,609
<u>County</u>	<u>Area</u>	<u>Hosts</u>	
2. Baker	585 sq. miles	Cattle	1,993
		Hogs	5,060
		Sheep	0
Class D		Horses	140
		Mules	207
Host per sq. mile	19	Goats	150
Flies required per week		Deer	1,000
per sq. mile	43	Bear	10
		(1) Furbearers (land)	<u>2,400</u>
		Total	<u>10,960</u>
<u>County</u>	<u>Area</u>	<u>Hosts</u>	
3. Bay	753 sq. miles	Cattle	1,854
		Hogs	2,993
		Sheep	0
Class D		Horses	78
		Mules	62
Hosts per sq. mile	11	Goats	110
Flies required per week		Deer	60
per sq. mile	25	Bear	10
		(1) Furbearers (land)	<u>3,100</u>
		Total	8,267

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March 10, 1954

COUNTIES OF FLORIDA
AREA AND SCREW-WORM HOSTS

County	Area	Hosts
1. Alachua	892 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear
Alachua B		
Host per sq. mile	57	
Miles required per week		
per sq. mile	110	
(1) Turpentine (land)		
Total		28,609

County	Area	Hosts
2. Baker	585 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear
Class B		
Host per sq. mile	12	
Miles required per week		
per sq. mile	13	
(1) Turpentine (land)		
Total		10,900

County	Area	Hosts
3. Bay	755 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear
Class B		
Host per sq. mile	11	
Miles required per week		
per sq. mile	22	
(1) Turpentine (land)		
Total		8,207

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
4. Bradford	293 sq. miles	Cattle	5,946
		Hogs	5,031
		Sheep	62
Class B		Horses	334
		Mules	345
Hosts per sq. mile	46	Goats	230
Flies required per week		Deer	30
per sq. mile	102	Bear	0
		(1) Furbearers (land)	<u>1,400</u>
		Total	13,378

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
5. Brevard	1,032 sq. miles	Cattle	14,200
		Hogs	458
		Sheep	6
Class D		Horses	206
		Mules	10
Hosts per sq. mile	20	Goats	130
Flies required per week		Deer	500
per sq. mile	47	Bear	0
		(1) Furbearers (land)	<u>4,200</u>
		Total	19,710

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
6. Broward	1,218	Cattle	22,838
		Hogs	1,916
		Sheep	4
Class C		Horses	395
		Mules	160
Hosts per sq. mile	25	Goats	50
Flies required per week		Deer	450
per sq. mile	56	Bear	0
		(1) Furbearers (land)	<u>5,100</u>
		Total	30,913

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
7. Calhoun	557 sq. miles	Cattle	4,490
		Hogs	10,882
		Sheep	80
Class C		Horses	182
		Mules	366
Hosts per sq. mile	34	Goats	340
Flies required per week		Deer	150
per sq. mile	76	Bear	15
		(1) Furbearers (land)	<u>2,400</u>
		Total	18,903

County	Area	Hosts
1. Bradford	293 sq. miles	Cattle Hogs Sheep Horses Mules Goats Pigs Poultry 0 1,400 13,370
2. Brevard	1,032 sq. miles	Cattle Hogs Sheep Horses Mules Goats Pigs Poultry 0 1,400 19,710
3. Broward	1,218	Cattle Hogs Sheep Horses Mules Goats Pigs Poultry 0 7,100 30,911
4. Calhoun	257 sq. miles	Cattle Hogs Sheep Horses Mules Goats Pigs Poultry 0 2,400 18,903

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
8. Charlotte	705 sq. miles	Cattle	20,632
		Hogs	118
Class C		Sheep	0
		Horses	130
Hosts per sq. mile	35	Mules	3
Flies required per week		Goats	40
per sq. mile	72	Deer	500
		Bear	0
		(1) Furbearers (land)	2,900
		Total	24,323

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
9. Citrus	570 sq. miles	Cattle	7,430
		Hogs	3,030
Class C		Sheep	0
		Horses	202
Hosts per sq. mile	26	Mules	15
Flies required per week		Goats	130
per sq. mile	57	Deer	1,000
		Bear	10
		(1) Furbearers (land)	2,900
		Total	14,721

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
10. Clay	598 sq. miles	Cattle	7,630
		Hogs	1,980
Class D		Sheep	0
		Horses	159
Hosts per sq. mile	19	Mules	47
Flies required per week		Goats	90
per sq. mile	42	Deer	150
		Bear	0
		(1) Furbearers (land)	2,600
		Total	11,656

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
11. Collier	2,032 sq. miles	Cattle	45,015
		Hogs	1,192
Class C		Sheep	0
		Horses	171
Hosts per sq. mile	25	Mules	43
Flies required per week		Goats	40
per sq. mile	56	Deer	1,800
		Bear	30
		(1) Furbearers (land)	8,500
		Total	49,141

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
12. Columbia	786 sq. miles	Cattle	8,175
		Hogs	17,636
Class C		Sheep	0
		Horses	368
Hosts per sq. mile	41	Mules	739
Flies required per week		Goats	600
per sq. mile	91	Deer	1,400
		Bear	10
		(1) Furbearers (land)	3,300
		Total	32,228

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
13. Dade	3,054 sq. miles	Cattle	19,427
		Hogs	3,805
Class D		Sheep	104
		Horses	512
Hosts per sq. mile	17	Mules	66
Flies required per week		Goats	340
per sq. mile	38	Deer	500
		Bear	10
		(1) Furbearers (land)	8,500
		Total	33,264

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
14. DeSoto	648 sq. miles	Cattle	41,199
		Hogs	573
Class A		Sheep	0
		Horses	466
Hosts per sq. mile	70	Mules	22
Flies required per week		Goats	40
per sq. mile	155	Deer	35
		Bear	0
		(1) Furbearers (land)	2,700
		Total	45,035

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
15. Dixie	698 sq. miles	Cattle	4,783
		Hogs	4,667
Class D		Sheep	0
		Horses	100
Hosts per sq. mile	22	Mules	44
Flies required per week		Goats	50
per sq. mile	44	Deer	2,600
		Bear	30
		(1) Furbearers (land)	2,900
		Total	15,174

County	Area	Hosts
12. Columbia	786 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Furbearers (land) Total 32,228
13. Laclede	3,021 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Furbearers (land) Total 33,264
14. DeSoto	613 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Furbearers (land) Total 12,032
15. Dixie	688 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Furbearers (land) Total 12,774

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
16. Duval	777 sq. miles	Cattle	16,634
		Hogs	5,853
Class C		Sheep	37
		Horses	321
Hosts per sq. mile	35	Mules	156
Flies required per week		Goats	490
per sq. mile	78	Deer	200
		Bear	10
		(1) Furbearers (land)	3,300
		Total	27,001

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
17. Escambia	663 sq. miles	Cattle	7,876
		Hogs	9,762
Class C		Sheep	126
		Horses	549
Hosts per sq. mile	26	Mules	432
Flies required per week		Goats	690
per sq. mile	58	Deer	90
		Bear	5
		(1) Furbearers (land)	2,800
		Total	21,330

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
18. Flagler	483 sq. miles	Cattle	9,548
		Hogs	857
Class C		Sheep	6
		Horses	155
Hosts per sq. mile	23	Mules	46
Flies required per week		Goats	30
per sq. mile	51	Deer	650
		Bear	5
		(1) Furbearers (land)	2,000
		Total	11,142

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
19. Franklin	544 sq. miles	Cattle	578
		Hogs	396
Class D		Sheep	0
		Horses	26
Hosts per sq. mile	16	Mules	1
Flies required per week		Goats	50
per sq. mile	35	Deer	130
		Bear	40
		(1) Furbearers (land)	2,400
		Total	8,686

County	Area	Hosts
16. Duval	777 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	75	Sheep
Miles required per week	78	Horses
per sq. mile		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (land)
		Total
17. Escambia	663 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	36	Sheep
Miles required per week	38	Horses
per sq. mile		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (land)
		Total
18. Flagler	663 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	33	Sheep
Miles required per week	31	Horses
per sq. mile		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (land)
		Total
19. Franklin	514 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	16	Sheep
Miles required per week	15	Horses
per sq. mile	15	Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (land)
		Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
20. Gadsden	508 sq. miles	Cattle	8,166
Class B		Hogs	13,372
		Sheep	23
		Horses	328
Hosts per square mile	52	Mules	1,996
Flies required per week		Goats	440
per sq. mile	115	Deer	200
		Bear	0
		(1) Furbearers (land)	2,100
		Total	26,625

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
21. Gilchrist	339 sq. miles	Cattle	3,322
Class B		Hogs	12,365
		Sheep	0
		Horses	207
Hosts per square mile	53	Mules	206
Flies required per week		Goats	120
per sq. mile	122	Deer	100
		Bear	0
		(1) Furbearers (land)	1,400
		Total	17,960

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
22. Glades	746 sq. miles	Cattle	59,022
Class A		Hogs	1,548
		Sheep	0
		Horses	352
Hosts per square mile	85	Mules	4
Flies required per week		Goats	10
per sq. mile	187	Deer	80
		Bear	0
		(1) Furbearers (land)	3,300
		Total	64,316

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
23. Gulf	557 sq. miles	Cattle	912
Class D		Hogs	1,077
		Sheep	7
		Horses	36
Hosts per square mile	9	Mules	47
Flies required per week		Goats	80
per sq. mile	20	Deer	200
		Bear	50
		(1) Furbearers (land)	2,400
		Total	4,809

County	Area	Hosts
20. Graham	208 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Furbearers (land)
		Total
21. Gilchrist	139 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Furbearers (land)
		Total
22. Graham	746 sq. miles	Cattle
Class A		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Furbearers (land)
		Total
23. Gulf	527 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Furbearers (land)
		Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
24. Hamilton	514 sq. miles	Cattle	4,727
Class C		Hogs	12,287
Hosts per sq. mile	40	Sheep	0
Flies required per week		Horses	110
per sq. mile	89	Mules	681
		Goats	170
		Deer	75
		Bear	0
		(1) Furbearers (land)	2,200*
		(*Includes 675 rodents)	
		Total	20,250

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
25. Hardee	630 sq. miles	Cattle	36,591
Class A		Hogs	2,106
Hosts per sq. mile	68	Sheep	0
Flies required per week		Horses	997
per sq. mile	150	Mules	213
		Goats	120
		Deer	50
		Bear	0
		(1) Furbearers (land)	2,600
		Total	42,677

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
26. Hendry	1,187 sq. miles	Cattle	33,571
Class C		Hogs	660
Hosts per sq. mile	33	Sheep	0
Flies required per week		Horses	309
per sq. mile	79	Mules	9
		Goats	30
		Deer	350
		Bear	0
		(1) Furbearers (land)	4,800
		Total	39,729

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
27. Hernando	488 sq. miles	Cattle	7,190
Class C		Hogs	2,656
Hosts per sq. mile	26	Sheep	0
Flies required per week		Horses	318
per sq. mile	58	Mules	39
		Goats	120
		Deer	180
		Bear	10
		(1) Furbearers (land)	2,000
		Total	12,513

County	Area	Hosts
24. Hamilton	511 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Fur-bearing (land) (includes 675 rodents)
Class C		
Hosts per sq. mile	40	
Flies required per week	89	
per sq. mile		
		2,300*
		20,220
25. Hamilton	630 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Fur-bearing (land)
Class A		
Hosts per sq. mile	38	
Flies required per week	120	
per sq. mile		
		2,000
		42,077
26. Hendry	1,187 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Fur-bearing (land)
Class C		
Hosts per sq. mile	33	
Flies required per week	79	
per sq. mile		
		1,800
		39,789
27. Hernando	158 sq. miles	Cattle Hogs Sheep Horses Mules Goats Deer Bear (1) Fur-bearing (land)
Class C		
Hosts per sq. mile	26	
Flies required per week	28	
per sq. mile		
		2,000
		12,513

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
28. Highlands	1,041 sq. miles	Cattle	34,762
Class C		Hogs	698
		Sheep	47
		Horses	470
Hosts per sq. mile	39	Mules	9
Flies required per week		Goats	30
per sq. mile	87	Deer	230
		Bear	10
		(1) Furbearers (land)	4,400
		Total	40,656

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
29. Hillsborough	1,040 sq. miles	Cattle	41,313
Class B		Hogs	5,688
		Sheep	37
		Horses	1,532
Hosts per sq. mile	53	Mules	854
Flies required per week		Goats	1,010
per sq. mile	122	Deer	10
		Bear	0
		(1) Furbearers (land)	4,200
		Total	54,636

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
30. Holmes	483 sq. miles	Cattle	9,025
Class A		Hogs	21,316
		Sheep	79
		Horses	467
Hosts per sq. mile	71	Mules	1,453
Flies required per week		Goats	67
per sq. mile	157	Deer	20
		Bear	0
		(1) Furbearers (land)	2,000
		Total	34,420

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
31. Indian River	511 sq. miles	Cattle	7,870
Class D		Hogs	154
		Sheep	0
		Horses	145
Hosts per sq. mile	21	Mules	18
Flies required per week		Goats	60
per sq. mile	47	Deer	150
		Bear	0
		(1) Furbearers (land)	2,100
		Total	10,497

County	Area	House
28. Highlands	1,041 sq. miles	Cattle
Class D		Hogs
		Sheep
		Horses
		Mules
		Cows
		Deer
		Bees
		(1) Timberland (land)
		Total

County	Area	House
29. Hillsborough	1,069 sq. miles	Cattle
Class E		Hogs
		Sheep
		Horses
		Mules
		Cows
		Deer
		Bees
		(1) Timberland (land)
		Total

County	Area	House
30. Holmes	683 sq. miles	Cattle
Class A		Hogs
		Sheep
		Horses
		Mules
		Cows
		Deer
		Bees
		(1) Timberland (land)
		Total

County	Area	House
31. Indian River	511 sq. miles	Cattle
Class D		Hogs
		Sheep
		Horses
		Mules
		Cows
		Deer
		Bees
		(1) Timberland (land)
		Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
32. Jackson	982 sq. miles	Cattle	20,493
		Hogs	49,013
Class A		Sheep	87
		Horses	1,345
Hosts per sq. mile	82	Mules	4,212
Flies required per week		Goats	1,600
per sq. mile	182	Deer	40
		Bear	0
		(1) Furbearers (land)	3,800
		Total	80,590

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
33. Jefferson	598 sq. miles	Cattle	6,212
		Hogs	10,473
Class C		Sheep	6
		Horses	128
Hosts per sq. mile	36	Mules	1,103
Flies required per week		Goats	360
per sq. mile	80	Deer	650
		Bear	5
		(1) Furbearers (land)	2,600
		Total	21,537

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
34. Lafayette	543 sq. miles	Cattle	2,276
		Hogs	9,127
Class C		Sheep	0
		Horses	126
Hosts per sq. mile	27	Mules	195
Flies required per week		Goats	80
per sq. mile	60	Deer	800
		Bear	10
		(1) Furbearers (land)	2,300
		Total	14,914

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
35. Lake	996 sq. miles	Cattle	10,863
		Hogs	1,544
Class D		Sheep	0
		Horses	406
Hosts per sq. mile	18	Mules	226
Flies required per week		Goats	140
per sq. mile	40	Deer	350
		Bear	0
		(1) Furbearers (land)	4,300
		Total	17,829

County

Area

Hosts

32. Jackson

282 sq. miles

Cattle

Class A

Hosts per sq. mile
Miles required per week
per sq. mile

82

182

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Percentage (Land)

Total

20,123
12,013
82
1,312
1,312
1,600
10
0
2,800
20,290

County

Area

Hosts

33. Jefferson

298 sq. miles

Cattle

Class C

Hosts per sq. mile
Miles required per week
per sq. mile

36

80

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Percentage (Land)

Total

10,212
10,173
0
102
1,102
300
0
0
2,800
21,237

County

Area

Hosts

34. Lafayette

213 sq. miles

Cattle

Class C

Hosts per sq. mile
Miles required per week
per sq. mile

27

60

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Percentage (Land)

Total

2,270
2,127
0
126
122
20
800
10
2,800
11,911

County

Area

Hosts

35. Lake

276 sq. miles

Cattle

Class B

Hosts per sq. mile
Miles required per week
per sq. mile

18

40

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Percentage (Land)

Total

10,883
1,214
0
106
226
110
300
0
2,800
17,829

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
36. Lee	786 sq. miles	Cattle	9,430
		Hogs	587
Class D		Sheep	0
		Horses	326
Hosts per sq. mile	19	Mules	31
Flies required per week		Goats	70
per sq. mile	42	Deer	800
		Bear	0
		(1) Furbearers (land)	3,300
		Total	14,544

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
37. Leon	685 sq. miles	Cattle	9,172
		Hogs	7,743
Class C		Sheep	253
		Horses	583
Hosts per sq. mile	33	Mules	791
Flies required per week		Goats	320
per sq. mile	73	Deer	900
		Bear	0
		(1) Furbearers (land)	2,800
		Total	22,562

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
38. Levy	1,103 sq. miles	Cattle	20,956
		Hogs	22,514
Class B		Sheep	0
		Horses	511
Hosts per sq. mile	46	Mules	198
Flies required per week		Goats	36
per sq. mile	102	Deer	1,700
		Bear	40
		(1) Furbearers (land)	4,600
		Total	50,555

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
39. Liberty	838 sq. miles	Cattle	2,165
		Hogs	4,027
Class D		Sheep	0
		Horses	81
Hosts per sq. mile	13	Mules	65
Flies required per week		Goats	50
per sq. mile	29	Deer	800
		Bear	30
		(1) Furbearers (land)	3,500
		Total	10,718

County	Area	Hours
36. Lee	786 sq. miles	
Class D		
Hours per sq. mile	12	
Miles required per week	12	
per sq. mile		
Cattle		2,130
Hogs		257
Sheep		0
Horses		326
Mules		31
Goats		70
Deer		800
Beaver		0
(1) Fur-bearing (land)		2,300
Total		11,524

County	Area	Hours
37. Leon	685 sq. miles	
Class C		
Hours per sq. mile	35	
Miles required per week	35	
per sq. mile		
Cattle		2,178
Hogs		7,763
Sheep		223
Horses		282
Mules		797
Goats		329
Deer		900
Beaver		0
(1) Fur-bearing (land)		2,800
Total		22,862

County	Area	Hours
38. Levy	1,103 sq. miles	
Class E		
Hours per sq. mile	16	
Miles required per week	16	
per sq. mile		
Cattle		20,246
Hogs		22,214
Sheep		0
Horses		211
Mules		198
Goats		36
Deer		1,700
Beaver		40
(1) Fur-bearing (land)		11,600
Total		50,732

County	Area	Hours
39. Liberty	625 sq. miles	
Class B		
Hours per sq. mile	13	
Miles required per week	13	
per sq. mile		
Cattle		2,142
Hogs		11,057
Sheep		0
Horses		21
Mules		22
Goats		20
Deer		202
Beaver		30
(1) Fur-bearing (land)		2,500
Total		10,718

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
40. Madison	702 sq. miles	Cattle	8,530
Class B		Hogs	20,031
		Sheep	0
		Horses	186
Hosts per sq. mile	62	Mules	1,223
Flies required per week		Goats	280
per sq. mile	132	Deer	30
		Bear	0
		(1) Furbearers (land)	2,900
		Total	43,180

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
41. Manatee	701 sq. miles	Cattle	17,643
Class C		Hogs	798
		Sheep	0
		Horses	493
Hosts per sq. mile	32	Mules	194
Flies required per week		Goats	230
per sq. mile	71	Deer	20
		Bear	0
		(1) Furbearers (land)	2,800
		Total	22,178

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
42. Marion	1,617 sq. miles	Cattle	35,680
Class C		Hogs	17,361
		Sheep	97
		Horses	1,406
Hosts per sq. mile	41	Mules	514
Flies required per week		Goats	1,070
per sq. mile	91	Deer	4,000
		Bear	15
		(1) Furbearers (land)	6,600
		Total	66,743

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
43. Martin	559 sq. miles	Cattle	10,600
Class C		Hogs	138
		Sheep	0
		Horses	200
Hosts per sq. mile	24	Mules	8
Flies required per week		Goats	10
per sq. mile	54	Deer	130
		Bear	0
		(1) Furbearers (land)	2,300
		Total	13,386

County	Area	Hosts
10. Madison	702 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Timberlands (land)
		Total
11. Manatee	701 sq. miles	Cattle
Class C		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Timberlands (land)
		Total
12. Marion	1,617 sq. miles	Cattle
Class C		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Timberlands (land)
		Total
13. Martin	522 sq. miles	Cattle
Class C		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Bear
		(1) Timberlands (land)
		Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
44. Monroe	994 sq. miles	Cattle	0
Class D		Hogs	50
		Sheep	0
		Horses	0
Hosts per sq. mile	6	Mules	0
Flies required per week		Goats	0
per sq. mile	14	Deer	1,300
		Bear	20
		(1) Furbearers (land)	4,200
		Total	5,570

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
45. Nassau	650 sq. miles	Cattle	5,226
Class C		Hogs	3,412
		Sheep	186
		Horses	230
Hosts per sq. mile	23	Mules	110
Flies required per week		Goats	220
per sq. mile	51	Deer	1,300
		Bear	15
		(1) Furbearers (land)	2,800
		Total	15,239

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
46. Okaloosa	938 sq. miles	Cattle	5,116
Class C		Hogs	10,345
		Sheep	37
		Horses	350
Hosts per sq. mile	23	Mules	551
Flies required per week		Goats	560
per sq. mile	51	Deer	5,000
		Bear	10
		(1) Furbearers (land)	3,900
		Total	21,969

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
47. Okeechobee	780 sq. miles	Cattle	42,589
Class B		Hogs	757
		Sheep	12
		Horses	389
Hosts per sq. mile	61	Mules	5
Flies required per week		Goats	60
per sq. mile	130	Deer	170
		Bear	5
		(1) Furbearers (land)	3,200
		Total	47,452

County

Area

Hosts

St. Monroe

225 sq. miles

Cattle

Class B

Hosts per sq. mile

Plants required per week

6

14

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Furberers (Land)

Total

County

Area

Hosts

St. Lawrence

650 sq. miles

Cattle

Class C

Hosts per sq. mile

Plants required per week

23

21

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Furberers (Land)

Total

County

Area

Hosts

St. Chasles

225 sq. miles

Cattle

Class C

Hosts per sq. mile

Plants required per week

23

21

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Furberers (Land)

Total

County

Area

Hosts

St. Chasles

700 sq. miles

Cattle

Class B

Hosts per sq. mile

Plants required per week

61

120

Hogs

Sheep

Horses

Mules

Goats

Deer

Beaver

(1) Furberers (Land)

Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
48. Orange	916 sq. miles	Cattle	21,947
Class C		Hogs	2,963
		Sheep	0
Hosts per sq. mile	33	Horses	583
Flies required per week		Mules	68
per sq. mile	73	Goats	350
		Deer	850
		Bear	0
		(1) Furbearers (land)	3,700
		Total	30,461

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
49. Osceola	1,325 sq. miles	Cattle	49,504
Class C		Hogs	2,345
		Sheep	197
Hosts per sq. mile	24	Horses	658
Flies required per week		Mules	33
per sq. mile	54	Goats	140
		Deer	1,400
		Bear	0
		(1) Furbearers (land)	5,500
		Total	32,220

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
50. Palm Beach	1,978 sq. miles	Cattle	39,882
Class C		Hogs	1,565
		Sheep	1
Hosts per sq. mile	26	Horses	714
Flies required per week		Mules	271
per sq. mile	58	Goats	300
		Deer	150
		Bear	0
		(1) Furbearers (land)	8,500
		Total	51,383

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
51. Pasco	751 sq. miles	Cattle	25,719
Class B		Hogs	2,486
		Sheep	1
Hosts per sq. mile	46	Horses	577
Flies required per week		Mules	77
per sq. mile	102	Goats	280
		Deer	160
		Bear	0
		(1) Furbearers (land)	3,000
		Total	34,820

County	Area	Hosts
18. Orange	216 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	33	Sheep
Miles required per week		Horses
per sq. mile	73	Mules
		Goats
		Deer
		Bear
		(1) Furberers (land)
		Total
19. Lincoln	1,325 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	24	Sheep
Miles required per week		Horses
per sq. mile	24	Mules
		Goats
		Deer
		Bear
		(1) Furberers (land)
		Total
20. Palm Beach	1,978 sq. miles	Cattle
Class C		Hogs
Hosts per sq. mile	26	Sheep
Miles required per week		Horses
per sq. mile	28	Mules
		Goats
		Deer
		Bear
		(1) Furberers (land)
		Total
21. Inaco	721 sq. miles	Cattle
Class B		Hogs
Hosts per sq. mile	46	Sheep
Miles required per week		Horses
per sq. mile	102	Mules
		Goats
		Deer
		Bear
		(1) Furberers (land)
		Total

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
52. Pinellas	264 sq. miles	Cattle	9,116
		Hogs	1,868
Class B		Sheep	11
		Horses	274
Hosts per sq. mile	47	Mules	40
Flies required per week		Goats	210
per sq. mile	104	Deer	0
		Bear	0
		(1) Furbearers	1,000
		Total	12,509

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
53. Polk	1,861 sq. miles	Cattle	86,270
		Hogs	3,330
Class B		Sheep	1,120
		Horses	1,850
Hosts per sq. mile	54	Mules	265
Flies required per week		Goats	610
per sq. mile	114	Deer	250
		Bear	0
		(1) Furbearers (land)	7,700
		Total	101,395

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
54. Putnam	803 sq. miles	Cattle	13,032
		Hogs	4,236
Class C		Sheep	6
		Horses	413
Hosts per sq. mile	27	Mules	87
Flies required per week		Goats	230
per sq. mile	60	Deer	450
		Bear	10
		(1) Furbearers (land)	3,500
		Total	21,964

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
55. St. Johns	609 sq. miles	Cattle	13,680
		Hogs	2,121
Class C		Sheep	0
		Horses	198
Hosts per sq. mile	32	Mules	65
Flies required per week		Goats	110
per sq. mile	66	Deer	580
		Bear	10
		(1) Furbearers (land)	2,500
		Total	19,264

County	Area	Hosts
St. Pauline	204 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing
		Total
		12,500

County	Area	Hosts
St. Paul	1,861 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (Land)
		Total
		101,332

County	Area	Hosts
St. Pauline	503 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (Land)
		Total
		21,200

County	Area	Hosts
St. John	609 sq. miles	Cattle
Class B		Hogs
		Sheep
		Horses
		Mules
		Goats
		Deer
		Beaver
		(1) Fur-bearing (Land)
		Total
		12,200

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
56. St. Lucie	588 sq. miles	Cattle	22,468
Class B		Hogs	480
Hosts per sq. mile	45	Sheep	0
Flies required per week		Horses	272
per sq. mile	100	Mules	277
		Goats	120
		Deer	200
		Bear	0
		(1) Furbearers (land)	2,400
		Total	26,217

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
57. Santa Rosa	1,024 sq. miles	Cattle	7,330
Class C		Hogs	20,087
Hosts per sq. mile	33	Sheep	84
Flies required per week		Horses	394
per sq. mile	78	Mules	462
		Goats	560
		Deer	1,100
		Bear	0
		(1) Furbearers (land)	4,200
		Total	34,217

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
58. Sarasota	586 sq. miles	Cattle	13,636
Class C		Hogs	319
Hosts per sq. mile	29	Sheep	20
Flies required per week		Horses	302
per sq. mile	65	Mules	8
		Goats	110
		Deer	25
		Bear	0
		(1) Furbearers (land)	2,500
		Total	16,920

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
59. Seminole	321 sq. miles	Cattle	12,616
Class C		Hogs	508
Host per sq. mile	49	Sheep	0
Flies required per week		Horses	148
per sq. mile	109	Mules	105
		Goats	160
		Deer	800
		Bear	0
		(1) Furbearers (land)	1,400
		Total	15,737

County	Area	Hosts
26. St. Louis	580 sq. miles	Cattle
Class 3		Hogs
Hosts per sq. mile	15	Sheep
Miles required per week		Horses
per sq. mile	100	Mules
		Goats
		Deer
		Beaver
		(1) Furbersters (land)
		Total
		22,468
		1,480
		0
		272
		277
		150
		200
		0
		2,460
		26,217

County	Area	Hosts
27. Santa Rosa	1,024 sq. miles	Cattle
Class 3		Hogs
Hosts per sq. mile	33	Sheep
Miles required per week		Horses
per sq. mile	78	Mules
		Goats
		Deer
		Beaver
		(1) Furbersters (land)
		Total
		7,330
		20,057
		84
		284
		152
		260
		1,180
		0
		1,400
		24,217

County	Area	Hosts
28. Garza	586 sq. miles	Cattle
Class 3		Hogs
Hosts per sq. mile	29	Sheep
Miles required per week		Horses
per sq. mile	65	Mules
		Goats
		Deer
		Beaver
		(1) Furbersters (land)
		Total
		12,436
		219
		20
		302
		9
		110
		22
		0
		2,409
		16,230

County	Area	Hosts
29. Seminole	321 sq. miles	Cattle
Class 3		Hogs
Hosts per sq. mile	15	Sheep
Miles required per week		Horses
per sq. mile	109	Mules
		Goats
		Deer
		Beaver
		(1) Furbersters (land)
		Total
		12,446
		208
		0
		112
		102
		160
		200
		0
		1,400
		12,737

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
60. Sumter	561 sq. miles	Cattle	21,845
		Hogs	3,750
Class B		Sheep	24
		Horses	893
Host per sq. mile	54	Mules	429
Flies required per week		Goats	230
per sq. mile	120	Deer	130
		Bear	10
		(1) Furbearers (land)	2,300
		Total	29,611

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
61. Suwannee	677 sq. miles	Cattle	11,947
		Hogs	37,317
Class A		Sheep	0
		Horses	425
Host per sq. mile	80	Mules	1,246
Flies required per week		Goats	230
per sq. mile	177	Deer	50
		Bear	0
		(1) Furbearers (land)	2,900
		Total	54,115

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
62. Taylor	1,032 sq. miles	Cattle	4,820
		Hogs	6,577
Class B		Sheep	0
		Horses	193
Host per sq. mile	17	Mules	150
Flies required per week		Goats	120
per sq. mile	38	Deer	1,300
		Bear	20
		(1) Furbearers (land)	4,200
		Total	17,380

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
63. Union	240 sq. miles	Cattle	5,829
		Hogs	5,774
Class B		Sheep	10
		Horses	240
Host per sq. mile	56	Mules	335
Flies required per week		Goats	100
per sq. mile	124	Deer	40
		Bear	0
		(1) Furbearers (land)	1,100
		Total	13,428

County

Area

Stocks

60. Hunter

561 sq. miles

Cattle

21,882

Hogs

3,720

Sheep

21

Horses

623

Mules

122

Goats

230

Deer

130

Beaver

10

(1) Furberers (land)

2,300

Total

29,612

County

Area

Stocks

61. Guernsey

677 sq. miles

Cattle

11,817

Hogs

37,317

Sheep

0

Horses

122

Mules

1,216

Goats

230

Deer

50

Beaver

0

(1) Furberers (land)

2,000

Total

51,112

County

Area

Stocks

62. Taylor

1,022 sq. miles

Cattle

11,820

Hogs

6,277

Sheep

0

Horses

122

Mules

120

Goats

120

Deer

1,300

Beaver

20

(1) Furberers (land)

1,200

Total

17,380

County

Area

Stocks

63. Union

240 sq. miles

Cattle

2,822

Hogs

2,776

Sheep

10

Horses

210

Mules

122

Goats

100

Deer

10

Beaver

0

(1) Furberers (land)

1,100

Total

13,128

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
64. Volusia	1,115 sq. miles	Cattle	13,156
		Hogs	1,425
Class D		Sheep	16
		Horses	253
Host per sq. mile	18	Mules	78
Flies required per week		Goats	230
per sq. mile	40	Deer	250
		Bear	20
		(1) Furbearers (land)	4,600
		Total	20,028

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
65. Wakulla	614 sq. miles	Cattle	1,454
		Hogs	3,800
Class D		Sheep	15
		Horses	90
Host per sq. mile	13	Mules	91
Flies required per week		Goats	80
per sq. mile	29	Deer	30
		Bear	5
		(1) Furbearers (land)	2,500
		Total	8,065

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
66. Walton	1,046 sq. miles	Cattle	6,961
		Hogs	11,557
Class C		Sheep	88
		Horses	341
Host per sq. mile	27	Mules	657
Flies required per week		Goats	450
per sq. mile	60	Deer	4,000
		Bear	0
		(1) Furbearers (land)	4,300
		Total	28,354

<u>County</u>	<u>Area</u>	<u>Hosts</u>	
67. Washington	597 sq. miles	Cattle	5,989
		Hogs	11,690
Class C		Sheep	199
		Horses	379
Host per sq. mile	37	Mules	743
Flies required per week		Goats	770
per sq. mile	82	Deer	20
		Bear	0
		(1) Furbearers (land)	2,500
		Total	22,290

County	Area	Hours
66. Volusia	1,115 sq. miles	Cattle 13,126
Class B		Hogs 1,457
		Sheep 18
		Horses 253
		Mules 78
		Goats 230
		Deer 250
		Bees 25
		(1) Furberers (land) 14,000
		Total 20,928
67. Volusia	614 sq. miles	Cattle 1,456
Class B		Hogs 3,400
		Sheep 12
		Horses 90
		Mules 91
		Goats 80
		Deer 30
		Bees 2
		(1) Furberers (land) 2,200
		Total 8,062
68. Volusia	1,016 sq. miles	Cattle 6,941
Class B		Hogs 11,527
		Sheep 80
		Horses 311
		Mules 627
		Goats 120
		Deer 1,000
		Bees 0
		(1) Furberers (land) 14,200
		Total 28,326
69. Washington	527 sq. miles	Cattle 5,989
Class B		Hogs 11,690
		Sheep 122
		Horses 372
		Mules 713
		Goats 770
		Deer 20
		Bees 0
		(1) Furberers (land) 2,200
		Total 22,290

(1) Furbearers: Foxes, coons, skunks, otters, bobcats, opossums and feral cats and dogs.

Livestock figures from Livestock and Poultry on farms and ranches as of January 1, 1954, released 2/12/54 by U.S.D.A.-A.M.S., Reporting Board.

Wildlife estimated from Mr. Chamberlain, Chief Wildlife Biologist of the Florida Game and Fresh Water Fish Commission.

Total square miles, 51 counties	42,915
Average number flies to be released per sq. mile per week	83
Total flies to be released per week, 51 counties.	3,561,945
Total host animals, 51 counties	1,510,531

Counties classified as follows:

150 and up flies to be released per sq. mile per week	Class A
100-149 " " " " " " " " " "	Class B
50-99 " " " " " " " " " "	Class C
49 & under " " " " " " " " " "	Class D

<u>A</u> <u>Counties</u>	<u>B</u> <u>Counties</u>	<u>C</u> <u>Counties</u>	<u>D</u> <u>Counties</u>
DeSoto	Alachua	Broward	Baker
Glades	Bradford	Calhoun	Bay
Hardee	Gadsden	Charlotte	Brevard
Holmes	Gilchrist	Citrus	Clay
Jackson	Hillsborough	Collier	Dade
Suwanee	Levy	Columbia	Dixie
	Madison	Duval	Franklin
	Okeechobee	Escambia	Gulf
	Pasco	Flagler	Indian River
	Pinellas	Hamilton	Lake
	Polk	Hendry	Lee
	St. Lucie	Hernando	Liberty
	Seminole	Highlands	Monroe
	Sumter	Jefferson	Taylor
	Union	Lafayette	Volusia
		Leon	Wakulla
		Manatee	
		Marion	
		Martin	
		Nassau	
		Okaloosa	
		Orange	
		Osceola	
		Palm Beach	
		Putnam	
		St. Johns	
		Santa Rosa	
		Sarasota	
		Walton	
		Washington	

Counties

DeSoto
Giles
Harris
Holt
Jackson
Seminole

Counties

Alachua
Bradford
Caldwell
Gilchrist
Hillsborough
Levy
Madison
Manatee
Pasco
Pinellas
Polk
St. Johns
Seminole
Suwannee
Tallahassee

Counties

Broward
Calhoun
Charlotte
Citrus
Collier
Columbia
Duval
Escambia
Flagler
Franklin
Hendry
Hernando
Hill
Jefferson
Lafayette
Leon
Manatee
Marion
Martin
Miami
Orange
Osceola
Palm Beach
Polk
Putnam
St. Johns
Santa Rosa
Seminole
Volusia
Washington

Counties

Baker
Bay
Brevard
Clay
Fido
Gadsden
Franklin
Gulf
Indian River
Lake
Lee
Liberty
Monroe
Taylor
Volusia
Wakulla

Curacao has	30,800 host animals
" "	170 sq. mile area
" "	181 host animals per sq. mile
Alachua County has	59,609 host animals
" " "	892 sq. mile area
" " "	66 host animals per sq. mile

Therefore if it required 400 screw-worm flies per sq. mile for 181 host animals, it would require 146 screw-worm flies per sq. mile for 66 host animals.

30,800 host animals
170 sq. miles area
181 host animals per sq. mile

58,000 host animals
898 sq. miles area
66 host animals per sq. mile

Curacao has
" "
" "

Alachua County has
" "
" "

Therefore if it required 100 screw-worm flies per sq. mile for 181
host animals, it would require 100 screw-worm flies per sq. mile for
66 host animals.

FLORIDA, 1939

